

Rustem Khasanov

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

224
papers

6,609
citations

40
h-index

73
g-index

239
ext. papers

7,474
ext. citations

4.6
avg, IF

5.23
L-index

#	Paper	IF	Citations
224	Time-reversal symmetry-breaking charge order in a kagome superconductor.. <i>Nature</i> , 2022 , 602, 245-250,	50.4	10
223	Three-wall piston-cylinder type pressure cell for muon-spin rotation/relaxation experiments. <i>High Pressure Research</i> , 2022 , 42, 29-46	1.6	1
222	Microscopic evidence for anisotropic multigap superconductivity in the CsV3Sb5 kagome superconductor. <i>Npj Quantum Materials</i> , 2022 , 7,	5	3
221	Unconventional Pressure Dependence of the Superfluid Density in the Nodeless Topological Superconductor PdBi_2 . <i>Physical Review Letters</i> , 2021 , 127, 217002	7.4	2
220	Nodeless kagome superconductivity in LaRu3Si2. <i>Physical Review Materials</i> , 2021 , 5,	3.2	9
219	Multiple quantum phase transitions of different nature in the topological kagome magnet $\text{Co}_3\text{Sn}_2\text{In}_x\text{S}_2$. <i>Npj Quantum Materials</i> , 2021 , 6,	5	2
218	Gap symmetry of the noncentrosymmetric superconductor $\text{W}_3\text{Al}_2\text{C}$. <i>Physical Review B</i> , 2021 , 103,	3.3	2
217	Unsplit superconducting and time reversal symmetry breaking transitions in SrRuO under hydrostatic pressure and disorder. <i>Nature Communications</i> , 2021 , 12, 3920	17.4	8
216	Formation of short-range magnetic order and avoided ferromagnetic quantum criticality in pressurized LaCrGe3. <i>Physical Review B</i> , 2021 , 103,	3.3	4
215	Anomalous gap ratio in anisotropic superconductors: Aluminum under pressure. <i>Physical Review B</i> , 2021 , 103,	3.3	2
214	Isotropic single-gap superconductivity of elemental Pb. <i>Physical Review B</i> , 2021 , 104,	3.3	2
213	Magnetic phase boundary of BaVS3 clarified with high-pressure μSR . <i>Physical Review B</i> , 2020 , 101,	3.3	3
212	Magnetism driven by strong electronic correlations in the heavily carrier-doped iron oxypnictide $\text{LaFeAsO}_{0.49}\text{H}_{0.51}$. <i>Physical Review B</i> , 2020 , 101,	3.3	3
211	Conventional isotropic s-wave superconductivity with strong electron-phonon coupling in $\text{Sc}_5\text{Rh}_6\text{Sn}_{18}$. <i>Physical Review B</i> , 2020 , 102,	3.3	1
210	Structural phases of elemental Ga: Universal relations in conventional superconductors. <i>Physical Review B</i> , 2020 , 101,	3.3	6
209	Self-Consistent Two-Gap Approach in Studying Multi-Band Superconductivity of $\text{NdFeAsO}_{0.65}\text{F}_{0.35}$. <i>Frontiers in Physics</i> , 2020 , 8,	3.9	5
208	Tunable anomalous Hall conductivity through volume-wise magnetic competition in a topological kagome magnet. <i>Nature Communications</i> , 2020 , 11, 559	17.4	47

207	Multiple-gap response of type-I noncentrosymmetric BeAu superconductor. <i>Physical Review Research</i> , 2020 , 2,	3.9	8
206	A Muon Spectroscopic and Computational Study of the Microscopic Electronic Structure in Thermoelectric Hybrid Silicon Nanostructures. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 9656-9664	3.8	0
205	Multigap superconductivity in the Mo ₅ PB ₂ boron-phosphorus compound. <i>New Journal of Physics</i> , 2020 , 22, 093016	2.9	4
204	Single-gap versus two-gap scenario: Specific heat and thermodynamic critical field of the noncentrosymmetric superconductor BeAu. <i>Physical Review B</i> , 2020 , 102,	3.3	9
203	Isotropic s-wave superconductivity in the noncentrosymmetric charge density wave superconductor SrPt ₂ As ₂ . <i>Physical Review B</i> , 2020 , 102,	3.3	2
202	Magnetism and its coexistence with superconductivity in CaK(Fe _{0.949} Ni _{0.051}) ₄ As ₄ : Muon spin rotation/relaxation studies. <i>Physical Review B</i> , 2020 , 102,	3.3	2
201	Suppression of the s-Wave Order Parameter Near the Surface of the Infinite-Layer Electron-Doped Cuprate Superconductor Sr _{0.9} La _{0.1} CuO ₂ . <i>Condensed Matter</i> , 2020 , 5, 50	1.8	3
200	Pressure Induced Topological Quantum Phase Transition in Weyl Semimetal Td-MoTe ₂ . <i>Journal of the Physical Society of Japan</i> , 2020 , 89, 094707	1.5	1
199	Nodeless superconductivity and its evolution with pressure in the layered dirac semimetal 2M-WS ₂ . <i>Npj Quantum Materials</i> , 2019 , 4,	5	10
198	Muon spin rotation study of type-I superconductivity: Elemental Bi. <i>Physical Review B</i> , 2019 , 99,	3.3	10
197	Superconducting nature of the Bi-II phase of elemental bismuth. <i>Physical Review B</i> , 2019 , 99,	3.3	12
196	Anisotropy induced vortex lattice rearrangement in CaKFe ₄ As ₄ . <i>Physical Review B</i> , 2019 , 99,	3.3	11
195	To the Intrinsic Magnetism of the Bi ₁₀₈ Sn _{0.02} Sb _{0.9} Te ₂ S Topological Insulator. <i>JETP Letters</i> , 2019 , 109, 465-471	1.2	6
194	Magnetic phase diagram of KCrO clarified by high-pressure muon spin spectroscopy. <i>Scientific Reports</i> , 2019 , 9, 1141	4.9	6
193	Extended Magnetic Dome Induced by Low Pressures in Superconducting FeSe _{1-x} S _x . <i>Physical Review Letters</i> , 2019 , 123, 147001	7.4	10
192	Probing the quantum phase transition in Mott insulator BaCoS ₂ tuned by pressure and Ni substitution. <i>Physical Review Materials</i> , 2019 , 3,	3.2	4
191	Robust block magnetism in the spin ladder compound BaFe ₂ Se ₃ under hydrostatic pressure. <i>Physical Review B</i> , 2019 , 100,	3.3	6
190	Unconventional scaling of the superfluid density with the critical temperature in transition metal dichalcogenides. <i>Science Advances</i> , 2019 , 5, eaav8465	14.3	9

189	In-plane magnetic penetration depth of superconducting CaKFe ₄ As ₄ . <i>Physical Review B</i> , 2018 , 97,	3.3	13
188	Pressure effects on the electronic properties of the undoped superconductor ThFeAsN. <i>Physical Review B</i> , 2018 , 97,	3.3	6
187	Effect of the external pressure at the crossover between magnetism and superconductivity in LnFeAsO _{1-x} F _x (Ln = La _{0.7} Y _{0.3} , Ce) superconductors. <i>International Journal of Modern Physics B</i> , 2018 , 32, 1840018	1.1	
186	Local magnetic moments in the topological insulators. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 459, 290-294	2.8	3
185	Nodal-to-nodeless superconducting order parameter in LaFeAs _{1-x} P _x O synthesized under high pressure. <i>Npj Quantum Materials</i> , 2018 , 3,	5	1
184	Magnetic tricritical point and nematicity in FeSe under pressure. <i>Physical Review B</i> , 2018 , 97,	3.3	11
183	Breakdown of Magnetic Order in the Pressurized Kitaev Iridate Li_2IrO_3 . <i>Physical Review Letters</i> , 2018 , 120, 237202	7.4	38
182	Evidence of nodal gap structure in the basal plane of the FeSe superconductor. <i>Physical Review B</i> , 2018 , 98,	3.3	7
181	Gradual enhancement of stripe-type antiferromagnetism in the spin-ladder material BaFe ₂ S ₃ under pressure. <i>Physical Review B</i> , 2018 , 98,	3.3	13
180	μ SR Study of K ₂ Cr ₈ O ₁₆ Under Hydrostatic Pressure 2018 ,		1
179	Magnetism in semiconducting molybdenum dichalcogenides. <i>Science Advances</i> , 2018 , 4, eaat3672	14.3	56
178	Superconductivity of Bi-III phase of elemental bismuth: Insights from muon-spin rotation and density functional theory. <i>Physical Review B</i> , 2018 , 98,	3.3	10
177	Chemical and hydrostatic-pressure effects on the Kitaev honeycomb material Na ₂ IrO ₃ . <i>Physical Review B</i> , 2018 , 98,	3.3	14
176	Isotope Effect on the Transition Temperature T _c in Fe-Based Superconductors: The Current Status. <i>Springer Series in Materials Science</i> , 2017 , 151-164	0.9	1
175	Magnetic states of MnP: muon-spin rotation studies. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 164003	10.3	9
174	Ground state selection under pressure in the quantum pyrochlore magnet YbTiO. <i>Nature Communications</i> , 2017 , 8, 14810	17.4	16
173	Signatures of the topological s superconducting order parameter in the type-II Weyl semimetal T-MoTe. <i>Nature Communications</i> , 2017 , 8, 1082	17.4	62
172	Two-gap superconductivity in Mo ₈ Ga ₄ 1 and its evolution upon vanadium substitution. <i>Physical Review B</i> , 2017 , 96,	3.3	20

171	Restoration of quantum critical behavior by disorder in pressure-tuned (Mn,Fe)Si. <i>Npj Quantum Materials</i> , 2017 , 2,	5	18
170	Complementary Response of Static Spin-Stripe Order and Superconductivity to Nonmagnetic Impurities in Cuprates. <i>Physical Review Letters</i> , 2017 , 119, 087002	7.4	5
169	Pressure tuning of structure, superconductivity, and novel magnetic order in the Ce-underdoped electron-doped cuprate $T\text{Pr}_{1.3}\text{La}_{0.7}\text{Ce}_x\text{CuO}_4$ ($x=0.1$). <i>Physical Review B</i> , 2017 , 96,	3.3	6
168	Pressure-induced magnetic order in FeSe: A muon spin rotation study. <i>Physical Review B</i> , 2017 , 95,	3.3	19
167	A low-background piston-cylinder-type hybrid high pressure cell for muon-spin rotation/relaxation experiments. <i>High Pressure Research</i> , 2017 , 37, 449-464	1.6	15
166	Coexistence of low-moment magnetism and superconductivity in tetragonal FeS and suppression of T_c under pressure. <i>Physical Review B</i> , 2016 , 93,	3.3	25
165	High-pressure magnetic state of MnP probed by means of muon-spin rotation. <i>Physical Review B</i> , 2016 , 93,	3.3	20
164	Magnetic ordering in the ultrapure site-diluted spin chain materials $\text{SrCu}_{1-x}\text{Ni}_x\text{O}_2$. <i>Physical Review B</i> , 2016 , 93,	3.3	6
163	Probing the pairing symmetry in the over-doped Fe-based superconductor $\text{Ba}_{0.35}\text{Rb}_{0.65}\text{Fe}_2\text{As}_2$ as a function of hydrostatic pressure. <i>Physical Review B</i> , 2016 , 93,	3.3	10
162	Proximity-induced superconductivity within the insulating $(\text{Li}_{0.84}\text{Fe}_{0.16})\text{OH}$ layers in $(\text{Li}_{0.84}\text{Fe}_{0.16})\text{OHFe}_{0.98}\text{Se}$. <i>Physical Review B</i> , 2016 , 93,	3.3	25
161	Effect of disorder on a pressure-induced $z=1$ magnetic quantum phase transition. <i>Physical Review B</i> , 2016 , 94,	3.3	3
160	High pressure research using muons at the Paul Scherrer Institute. <i>High Pressure Research</i> , 2016 , 36, 140-166	16.6	51
159	Rate of Molecular Transfer of Allyl Alcohol across an AOT Surfactant Layer Using Muon Spin Spectroscopy. <i>Langmuir</i> , 2016 , 32, 664-72	4	2
158	An exploration of some magnetic fundamentals in EuSe using μSR . <i>AIP Advances</i> , 2016 , 6, 055705	1.5	1
157	Cooperative coupling of static magnetism and bulk superconductivity in the stripe phase of $\text{La}_{2-x}\text{Ba}_x\text{CuO}_4$: Pressure- and doping-dependent studies. <i>Physical Review B</i> , 2016 , 94,	3.3	8
156	Volume-wise destruction of the antiferromagnetic Mott insulating state through quantum tuning. <i>Nature Communications</i> , 2016 , 7, 12519	17.4	22
155	Ferromagnetic Quantum Critical Point Avoided by the Appearance of Another Magnetic Phase in $\text{LaCrGe}_{\{3\}}$ under Pressure. <i>Physical Review Letters</i> , 2016 , 117, 037207	7.4	23
154	Effect of external pressure on the magnetic properties of RCoAsO ($R=\text{La, Pr, Sm}$): a μSR study. <i>Journal of Physics and Chemistry of Solids</i> , 2015 , 84, 63-69	3.9	1

153	Direct evidence for a pressure-induced nodal superconducting gap in the Ba _{0.65} Rb _{0.35} Fe ₂ As ₂ superconductor. <i>Nature Communications</i> , 2015 , 6, 8863	17.4	28
152	Oxygen isotope effects on lattice properties of La _{2-x} Ba _x CuO ₄ (x=1/8). <i>Physical Review B</i> , 2015 , 92,	3.3	1
151	Common effect of chemical and external pressures on the magnetic properties of RCoPO (R=La,Pr,Nd,Sm). II.. <i>Physical Review B</i> , 2015 , 92,	3.3	5
150	Strong enhancement of s-wave superconductivity near a quantum critical point of Ca ₃ Ir ₄ Sn ₁₃ . <i>Physical Review B</i> , 2015 , 92,	3.3	18
149	Weak interband-coupling superconductivity in the filled skutterudite LaPt ₄ Ge ₁₂ . <i>Physical Review B</i> , 2015 , 92,	3.3	8
148	Mutual Independence of Critical Temperature and Superfluid Density under Pressure in Optimally Electron-Doped Superconducting LaFeAsO(1-x)F(x). <i>Physical Review Letters</i> , 2015 , 114, 247004	7.4	17
147	Slow magnetic fluctuations and superconductivity in fluorine-doped NdFeAsO. <i>Physical Review B</i> , 2015 , 91,	3.3	8
146	Pressure-induced electronic phase separation of magnetism and superconductivity in CrAs. <i>Scientific Reports</i> , 2015 , 5, 13788	4.9	34
145	Probing the multi gap behavior within 11b and 122 families of iron based superconductors: the muon-spin rotation studies. <i>Superconductor Science and Technology</i> , 2015 , 28, 034003	3.1	14
144	Superconductivity in a new layered bismuth oxyselenide: LaO(0.5)F(0.5)BiSe. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 215702	1.8	55
143	Pressure Effects in the Iron Chalcogenides. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014 , 27, 965-968	1.5	13
142	Superconducting properties of Ca ₃ Ir ₄ Sn ₁₃ : aSR study. <i>Journal of Physics: Conference Series</i> , 2014 , 551, 012029	0.3	5
141	Presence of paramagnetism in HoCo ₂ under hydrostatic pressure. <i>Journal of Physics: Conference Series</i> , 2014 , 500, 182041	0.3	
140	Negative oxygen isotope effect on the static spin stripe order in superconducting La(2-x)Ba(x)CuO(4) (x=1/8) observed by muon-spin rotation. <i>Physical Review Letters</i> , 2014 , 113, 057002	7.4	10
139	Magnetic field dependence of the basal-plane superconducting anisotropy in YBa ₂ Cu ₄ O ₈ from small-angle neutron scattering measurements of the vortex lattice. <i>Physical Review B</i> , 2014 , 89,	3.3	5
138	Superconducting and magnetic properties of Sr ₃ Ir ₄ Sn ₁₃ . <i>Physical Review B</i> , 2014 , 90,	3.3	20
137	SrPt ₃ P: A two-band single-gap superconductor. <i>Physical Review B</i> , 2014 , 90,	3.3	21
136	Pressure-Induced Quantum Critical and Multicritical Points in a Frustrated Spin Liquid. <i>Physical Review Letters</i> , 2014 , 112,	7.4	15

135	Magnetic field distribution and characteristic fields of the vortex lattice for a clean superconducting niobium sample in an external field applied along a three-fold axis. <i>Physical Review B</i> , 2014 , 89,	3-3	3
134	Low-temperature magnetic fluctuations in the Kondo insulator SmB ₆ . <i>Physical Review B</i> , 2014 , 89,	3-3	19
133	Possible realization of an antiferromagnetic Griffiths phase in Ba(Fe _{1-x} Mnx) ₂ As ₂ . <i>Physical Review B</i> , 2013 , 87,	3-3	34
132	Photoemission and muon spin relaxation spectroscopy of the iron-based Rb _{0.77} Fe _{1.61} Se ₂ superconductor: Crucial role of the cigar-shaped Fermi surface. <i>Physical Review B</i> , 2013 , 88,	3-3	20
131	Pressure-induced ferromagnetism in antiferromagnetic Fe _{1.03} Te. <i>Physical Review B</i> , 2013 , 87,	3-3	25
130	Two-dimensional superfluid density in an alkali metal-organic solvent intercalated iron selenide superconductor Li(C ₅ H ₅ N) _{0.2} Fe ₂ Se ₂ . <i>Physical Review Letters</i> , 2013 , 110, 137003	7-4	17
129	Tuning the static spin-stripe phase and superconductivity in La _{2-x} BaxCuO ₄ (x = 1/8) by hydrostatic pressure. <i>New Journal of Physics</i> , 2013 , 15, 093005	2-9	18
128	Low superfluid density and possible multigap superconductivity in the BiS ₂ -based layered superconductor Bi ₄ O ₄ S ₃ . <i>Physical Review B</i> , 2013 , 88,	3-3	28
127	Common effect of chemical and external pressures on the magnetic properties of RCoPO (R = La, Pr). <i>Physical Review B</i> , 2013 , 87,	3-3	29
126	Evolution of magnetic interactions in a pressure-induced Jahn-Teller driven magnetic dimensionality switch. <i>Physical Review B</i> , 2013 , 87,	3-3	28
125	Evidence for Cooper pair diffraction on the vortex lattice of superconducting niobium. <i>Physical Review B</i> , 2013 , 88,	3-3	4
124	Superconducting properties of single-crystalline A _x Fe _{2-y} Se ₂ (A=Rb, K) studied using muon spin spectroscopy. <i>Physical Review B</i> , 2012 , 85,	3-3	59
123	Relaxation of the shallow acceptor center in germanium. <i>JETP Letters</i> , 2012 , 95, 662-665	1-2	1
122	Effect of external pressure on the magnetic properties of LnFeAsO (Ln = La, Ce, Pr, Sm). <i>Superconductor Science and Technology</i> , 2012 , 25, 084009	3-1	29
121	Coexistence of superconductivity and magnetism in FeSe _{1-x} under pressure. <i>Physical Review B</i> , 2012 , 85,	3-3	109
120	Muon Spin Rotation Study of the Intercalated Graphite Superconductor CaC ₆ at Low Temperatures. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012 , 25, 159-163	1-5	1
119	Superfluid density and superconducting gaps of RbFe ₂ As ₂ as a function of hydrostatic pressure. <i>Physical Review B</i> , 2012 , 86,	3-3	14
118	Superconductivity and magnetism in Rb _x Fe _{2-y} Se ₂ : Impact of thermal treatment on mesoscopic phase separation. <i>Physical Review B</i> , 2012 , 86,	3-3	23

117	Superconducting parameters of BaPt ₄ AuGe ₁₂ filled skutterudite. <i>Physical Review B</i> , 2012 , 86,	3.3	4
116	Direct observation of the quantum critical point in heavy fermion CeRhSi ₃ . <i>Physical Review Letters</i> , 2012 , 108, 177204	7.4	19
115	Microscopic coexistence of superconductivity and magnetism in Ba(1-x)K(x)Fe ₂ As ₂ . <i>Physical Review Letters</i> , 2011 , 107, 237001	7.4	89
114	Isotope and interband effects in a multi-band model of superconductivity. <i>New Journal of Physics</i> , 2011 , 13, 093009	2.9	14
113	Synthesis and crystal growth of Cs _{0.8} (FeSe _{0.98}) ₂ : a new iron-based superconductor with T _c = 27K. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 052203	1.8	236
112	Coexistence of magnetism and superconductivity in the iron-based compound Cs _{0.8} (FeSe _{0.98}) ₂ . <i>Physical Review Letters</i> , 2011 , 106, 117602	7.4	153
111	Vortex Excitations Above T _c in the Cuprate Superconductor Bi ₂ Sr ₂ Ca ₂ Cu ₃ O ₁₀ as Revealed by ESR. <i>Applied Magnetic Resonance</i> , 2011 , 40, 37-46	0.8	1
110	Pressure effects in the isoelectronic REFe _{0.85} Ir _{0.15} AsO system. <i>Journal of the American Chemical Society</i> , 2011 , 133, 3252-5	16.4	10
109	Tuning of competing magnetic and superconducting phase volumes in LaFeAsO _{0.945} F _{0.055} by hydrostatic pressure. <i>Physical Review B</i> , 2011 , 84,	3.3	34
108	Reentrant quantum criticality in Yb ₂ Pd ₂ Sn. <i>Physical Review B</i> , 2011 , 83,	3.3	23
107	Muon-spin rotation measurements of the magnetic penetration depth in the iron-based superconductor Ba _{1-x} Rb _x Fe ₂ As ₂ . <i>Physical Review B</i> , 2011 , 84,	3.3	18
106	Interplay of composition, structure, magnetism, and superconductivity in SmFeAs _{1-x} P _x O ₁₁ . <i>Physical Review B</i> , 2011 , 84,	3.3	17
105	Evolution of two-gap behavior of the superconductor FeSe _{1-x} . <i>Physical Review Letters</i> , 2010 , 104, 087004.	7.4	88
104	Suppression of the antinodal coherence of superconducting (Bi,Pb) ₂ (Sr,La) ₂ CuO _{6+x} as revealed by muon spin rotation and angle-resolved photoemission. <i>Physical Review B</i> , 2010 , 82,	3.3	13
103	Comment on Muon-spin-rotation study of the superconducting properties of Mo ₃ Sb ₇ . <i>Physical Review B</i> , 2010 , 82,	3.3	3
102	Intrinsic and structural isotope effects in iron-based superconductors. <i>Physical Review B</i> , 2010 , 82,	3.3	17
101	Evidence for time-reversal symmetry breaking in superconducting PrPt ₄ Ge ₁₂ . <i>Physical Review B</i> , 2010 , 82,	3.3	86
100	Anisotropic superconducting properties of single-crystalline FeSe _{0.5} Te _{0.5} . <i>Physical Review B</i> , 2010 , 81,	3.3	108

99	Anomalies in the Fermi surface and band dispersion of quasi-one-dimensional CuO chains in the high-temperature superconductor YBa ₂ Cu ₄ O ₈ . <i>Physical Review Letters</i> , 2010 , 105, 267003	7.4	15
98	Field-dependent superfluid density in the optimally doped SmFeAsO _{1-x} F _y superconductor. <i>Europhysics Letters</i> , 2010 , 91, 47005	1.6	5
97	Pressure induced static magnetic order in superconducting FeSe _{1-x} . <i>Physical Review Letters</i> , 2010 , 104, 087003	7.4	149
96	Tuning the superconducting and magnetic properties of Fe _y Se _{0.25} Te _{0.75} by varying the iron content. <i>Physical Review B</i> , 2010 , 82,	3.3	88
95	Unexpected Fermi-surface nesting in the pnictide parent compounds BaFe ₂ As ₂ and CaFe ₂ As ₂ revealed by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2010 , 81,	3.3	73
94	Iron isotope effect on the superconducting transition temperature and the crystal structure of FeSe _{1-x} . <i>New Journal of Physics</i> , 2010 , 12, 073024	2.9	58
93	Magnetic excitations of Fe _(1+y) Se _(x) Te _(1-x) in magnetic and superconductive phases. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 142202	1.8	33
92	Microscopic study of the superconducting state of the iron pnictide RbFe ₂ As ₂ via muon spin rotation. <i>Physical Review B</i> , 2010 , 82,	3.3	26
91	Search for magnetic ordered phase in Zn _{0.99} Co _{0.01} O compound using μ SR method. <i>Physics of Particles and Nuclei Letters</i> , 2010 , 7, 410-414	0.5	
90	Zero-field superfluid density in a d-wave superconductor evaluated from muon-spin-rotation experiments in the vortex state. <i>Physical Review B</i> , 2009 , 79,	3.3	13
89	Superconductivity and field-induced magnetism in SrFe _{1.75} Co _{0.25} As _{2} . <i>Physical Review Letters</i> , 2009 , 103, 067010	7.4	32
88	Two-gap superconductivity in Ba _{1-x} K _x Fe ₂ As ₂ : a complementary study of the magnetic penetration depth by muon-spin rotation and angle-resolved photoemission. <i>Physical Review Letters</i> , 2009 , 102, 187004	7.4	98
87	Comparison of different methods for analyzing μ SR line shapes in the vortex state of type-II superconductors. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 075701	1.8	49
86	Orbital and spin effects for the upper critical field in As-deficient disordered Fe pnictide superconductors. <i>New Journal of Physics</i> , 2009 , 11, 075007	2.9	64
85	Comparative study of the pressure effects on the magnetic penetration depth in electron- and hole-doped cuprate superconductors. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 275701	1.8	2
84	Momentum-resolved superconducting gap in the bulk of Ba _{1-x} K _x Fe ₂ As ₂ from combined ARPES and μ SR measurements. <i>New Journal of Physics</i> , 2009 , 11, 055069	2.9	115
83	Probing the ground state properties of iron-based superconducting pnictides and related systems by muon-spin spectroscopy. <i>Physica C: Superconductivity and Its Applications</i> , 2009 , 469, 606-613	1.3	14
82	Superfluid Density and Angular Dependence of the Energy Gap in Optimally Doped (BiPb) ₂ (SrLa) ₂ CuO _{6+δ} . <i>Journal of Superconductivity and Novel Magnetism</i> , 2009 , 22, 189-193	1.5	

81	Muon-Spin Rotation Study of the Ternary Noncentrosymmetric Superconductors $\text{Li}_2\text{Pd}_x\text{Pt}_{3-x}\text{B}$. <i>Journal of Superconductivity and Novel Magnetism</i> , 2009 , 22, 337-342	1.5	16
80	Competition between the pseudogap and superconductivity in the high-T(c) copper oxides. <i>Nature</i> , 2009 , 457, 296-300	50.4	209
79	The electronic phase diagram of the $\text{LaO}(1-x)\text{F}(x)\text{FeAs}$ superconductor. <i>Nature Materials</i> , 2009 , 8, 305-9	27	363
78	Anomalous asymmetry in the Fermi surface of the high-temperature superconductor $\text{YBa}_2\text{Cu}_4\text{O}_8$ revealed by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2009 , 80,	3.3	13
77	Coexistence of incommensurate magnetism and superconductivity in $\text{Fe}_{1+y}\text{Se}_x\text{Te}_{1-x}$. <i>Physical Review B</i> , 2009 , 80,	3.3	112
76	Synthesis, crystal structure, and chemical stability of the superconductor FeSe_{1-x} . <i>Physical Review B</i> , 2009 , 80,	3.3	124
75	Three- to two-dimensional transition of the electronic structure in CaFe_2As_2 : a parent compound for an iron arsenic high-temperature superconductor. <i>Physical Review Letters</i> , 2009 , 102, 167004	7.4	71
74	Interplay of rare earth and iron magnetism in RFeAsO (R=La, Ce, Pr, and Sm): Muon-spin relaxation study and symmetry analysis. <i>Physical Review B</i> , 2009 , 80,	3.3	114
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